PCT/SE 03/01575 A. CLASSIFICATION OF SUBJECT MATTER

IPC7: F01D 15/06, F01D 17/06
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: F01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Further documents are listed in the continuation of Box C.

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|------------------------------------------------------------------------------------|-----------------------|
| A | US 6241464 B1 (HUFFAKER ET AL), 5 June 2001 (05.06.01) | 1-6 |
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| A | US 5314299 A (JACOBSSON), 24 May 1994 (24.05.94) | 1-6 |
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| A | US 4776752 A (DAVIA), 11 October 1988 (11.10.88) | 1-6 |
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| * "A" | Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance | | "T" later document published after the international filing date or pric date and not in conflict with the application but cited to understan the principle or theory underlying the invention | | |
|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| "L" | earlier application or patent but published on or after the international filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other | "X" | document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance: the claimed invention cannot be | | |
| "O" | special reason (as specified) document referring to an oral disclosure, use, exhibition or other means | | considered to involve an inventive step when the document is combined with one or more other such documents, such combinati being obvious to a person skilled in the art | | |
| "P" | document published prior to the international filing date but later than the priority date claimed | "&″ | document member of the same patent family | | |
| Date of the actual completion of the international search 18 November 2003 | | Date | of mailing of the international search report | | |
| | | | 11 2 -01- 2004 | | |
| Name and mailing address of the ISA/ | | Authorized officer | | | |
| | edish Patent Office k 5055, S-102 42 STOCKHOLM | | -Olof Warnbo / JA A | | |
| Fac | simile No. +46 8 666 02 86 | Telep | hone No. + 46 8 782 25 00 | | |

Form PCT/ISA/210 (second sheet) (July 1998)

X See patent family annex.



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International application No.

3 PCT/SE 03/01575

| | i patent family member: | 06/09/03 |
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| Patent document cited in search report | Publication date | Patent family member(s) |

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| US 62414 | 6241464 | B1 | 05/06/01 | GB GB | 0014205 D 2355542 A,B | 00/00/00 25/04/01 |
| JS | 5314299 | A | 24/05/94 | DE EP JP JP SE SE | 69305424 D,T 0575301 A,B 3363206 B 6039745 A 469604 B,C 9201844 A | 15/05/97 22/12/93 08/01/03 15/02/94 02/08/93 02/08/93 |
| US | 4776752 | A | 11/10/88 | CA DE EP JP JP WO | 1294838 A,C 3881453 A,T 0305511 A,B 1503079 T 5057401 B 8806676 A | 28/01/92 08/07/93 08/03/89 19/10/89 24/08/93 07/09/88 |